



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
Post Office Box 2063
Harrisburg, Pennsylvania 17120

ORIGINAL
(Red)

Bureau of Waste Management

Preliminary Assessment

FOR
Domino Salvage Demolition Landfill
PA #1823

City of Plymouth Meeting
Montgomery County
Pennsylvania

ORIGINAL
(Red)

PRELIMINARY ASSESSMENT NARRATIVE

DOMINO SALVAGE / GOLF BALL QUARRY

PA-1823

SEPTEMBER 1987

RECEIVED
DIVISION OF EMERGENCY & REMEDIAL RESPONSE

SEP - 9 1987

Waste Management

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DOMINO SALVAGE INC.
A.K.A. Golf Ball Quarry PA-1823

HISTORY

The quarry which hosts this disposal site has its origins in Revolutionary War times. Determining the origins of the common name for the quarry has proven both futile and irrelevant. To put the readers mind to rest, there is no evidence that George Washington ever played golf here - even though the quarry would have made a spectacular trap. The roads, Germantown Pike and Butler Pike, are among the oldest in the nation and probably followed Indian trails. It follows that natural resources found along such roadways would be the first to be exploited. This area has shallow and easily mined limestone formations and limestone quarries are common. That this quarry is among the oldest is evidenced by the protected remnants of two unrestored kilns adjacent to the site. These kilns, regarded as historical sites, have been spared the relentless development pressure of the suburban Philadelphia area, and preserve the national historical flavor of the region.

The DER historical record begins in 1974 when an application for a Demolition Waste Landfill was submitted in the name of Domino Salvage Inc. At that time the Edwin Leedom estate owned the property. and lease agreements were submitted with the permit application. The class III demolition waste application was received by DER on 9-27-74 and a permit, #100986, was issued on 12-6-74. It appeared that the operation got off to a shaky when a DER letter dated 1-27-75 chastised Mr. Sabia, owner of Domino Salvage, for reportedly accepting wastes other than those allowed by the permit. No subsequent events of this type were noted by the files during the brief operating history of the site.

The files end with a memorandum from a DER Geologist dated 4-14-78 which noted, "the currently permitted site, Plymouth Golf Ball Quarry, is no longer receiving demolition waste and final grading and covering activities have begun".

LOCATION

The Germantown and Butler Pikes intersection is approximately 4 miles southeast of Norristown and 3 miles northwest of Conshohocken in Plymouth Twp. Montgomery CO. This area is a rapidly growing suburb of Philadelphia. The Pa Turnpike is .08 miles north of the site and contributes much to the areas commercial attractiveness.

PRESENT CONDITIONS

The limestone quarry, commonly known as Plymouth Golf Ball Quarry, has been completely backfilled, graded, and developed into a commercial site. Five large structures, housing a variety of corporate and professional offices, presently occupy the approximately 4 acre site. The only remnants of the sites former conditions is a small impondment area on the northern perimeter of the site which is used as a catch basin for the paved parking lots. This impondment is used to reduce the rate of precipitation runoff to a small unnamed tributary of the Schuylkill River.

The impondment never totally drains and has given rise to some swamp type vegetation, notably Typha. The minimum water surface area is approximately 15'X40' and may double at peak level. The observed water quality is only slightly brackish because of stagnation. No trace of leachate or other condition which could be attributed to the demolition waste was observed.

The surface of the site is 70-80% under roof or paved, and the rest is well established vegetation. Therefore, infiltration is minimal and leachate outbreaks would be unlikely.

POTENTIAL HAZARDS

There were no known hazardous materials deposited at the site. The letter of 1-27-75 from George Buchanan to Mike Sabia did not specify what the "wastes other than demolition wastes" were. The limited information available did not indicate any further incidents. Given the highly visible nature of the site, in full view of two heavily traveled highways and only 1.25 miles from the DER Regional Office, violations of the permit is improbable.

Should unknown hazardous materials be present, two possible routes of contamination are possible. First, the fact that the waste was deposited in an abandoned limestone quarry, even with the deposition of a 6' soil liner, makes groundwater contamination a concern. There are 3 public water supply wells within 3 miles. All are owned by the Philadelphia Suburban Water Co. and receive regular analysis. The presence of this and other permitted and possible unpermitted disposal sites in the area are known to PSWCO. and DER's Bureau of Community Environmental Control. The second possible route of contamination is through the surface water via an unnamed tributary of the Schuylkill River. This tributary flows approximately 3-4 miles in a southwesterly direction and borders the City of Conshohocken. This stream is not part of a currently active stream sampling program, therefore information on the stream quality is unavailable.

RECOMMENDATION

This facility received approximately 125,000 cubic yards of demolition wastes. There is no evidence of hazardous wastes or municipal wastes being deposited, nor is there any indication of adverse environmental or public health impacts from this site. Because the site exhibits negligible potential for further problems, no further action under CERCLA is recommended and the site is being given a "low" rating on the Preliminary Assessment form.

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT		I. IDENTIFICATION	
		01 STATE PA	02 SITE NUMBER 1823
II. SITE NAME AND LOCATION			
01 SITE NAME (Legal, common, or descriptive name of site) Domino Salvage Demolition Landfill		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Germantown & Butler Pikes	
03 CITY Plymouth Meeting	04 STATE Pa	05 ZIP CODE 19462	06 COUNTY Montgomery
09 COORDINATES LATITUDE 40° 06' 14" LONGITUDE 75° 16' 48"		07 COUNTY CODE	08 CONG DIST
10 DIRECTIONS TO SITE (Starting from nearest public road) From exit 25 of the Pa turnpike, travel south on Germantown Pike .08 miles. Site is on the North quadrant of the intersection with Butler Pike.			
III. RESPONSIBLE PARTIES			
01 OWNER (if known) C.N. Leedom		02 STREET (Business, mailing, residential) 630 Park Ave.	
03 CITY King Of Prussia	04 STATE Pa	05 ZIP CODE 19406	06 TELEPHONE NUMBER () N.A.
07 OPERATOR (if known and different from owner) Michael G. Sabia		08 STREET (Business, mailing, residential) 1251 Conshohocken Road	
09 CITY Conshohocken	10 STATE Pa.	11 ZIP CODE 19428	12 TELEPHONE NUMBER 215, 275-1580
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: ____/____/____ <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ____/____/____ <input checked="" type="checkbox"/> C. NONE			
IV. CHARACTERIZATION OF POTENTIAL HAZARD			
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <u>07-16-87</u> <input type="checkbox"/> NO MONTH DAY YEAR		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____	
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR <u>1974</u> ENDING YEAR <u>1978</u> <input type="checkbox"/> UNKNOWN	
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Class III Demolition Wastes			
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Potential Hazard is remote. Slight possibility of ground or surface water contamination			
V. PRIORITY ASSESSMENT			
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input checked="" type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
VI. INFORMATION AVAILABLE FROM			
01 CONTACT Gary F. Shaffer		02 OF (Agency/Organization) Div of Emergency & Remedial Response	
04 PERSON RESPONSIBLE FOR ASSESSMENT same		05 AGENCY DER	06 ORGANIZATION Bureau of Waste Mngt.
		07 TELEPHONE NUMBER (717) 787-7816	03 TELEPHONE NUMBER 717-621-3118
		08 DATE <u>09-08-87</u> MONTH DAY YEAR	



POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE PA	02 SITE NUMBER 1823
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II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

<p>01 PHYSICAL STATES (Check all that apply)</p> <p><input checked="" type="checkbox"/> A. SOLID</p> <p><input type="checkbox"/> B. POWDER, FINES</p> <p><input type="checkbox"/> C. SLUDGE</p> <p><input type="checkbox"/> D. OTHER _____</p> <p>(Specify)</p> <p><input type="checkbox"/> E. SLURRY</p> <p><input type="checkbox"/> F. LIQUID</p> <p><input type="checkbox"/> G. GAS</p>	<p>02 WASTE QUANTITY AT SITE</p> <p>(Measures of waste quantities must be independent)</p> <p>TONS _____</p> <p>CUBIC YARDS <u>125,000</u></p> <p>NO. OF DRUMS _____</p>	<p>03 WASTE CHARACTERISTICS (Check all that apply)</p> <p><input type="checkbox"/> A. TOXIC</p> <p><input type="checkbox"/> B. CORROSIVE</p> <p><input type="checkbox"/> C. RADIOACTIVE</p> <p><input type="checkbox"/> D. PERSISTENT</p> <p><input type="checkbox"/> E. SOLUBLE</p> <p><input type="checkbox"/> F. INFECTIOUS</p> <p><input type="checkbox"/> G. FLAMMABLE</p> <p><input type="checkbox"/> H. IGNITABLE</p> <p><input type="checkbox"/> I. HIGHLY VOLATILE</p> <p><input type="checkbox"/> J. EXPLOSIVE</p> <p><input type="checkbox"/> K. REACTIVE</p> <p><input type="checkbox"/> L. INCOMPATIBLE</p> <p><input checked="" type="checkbox"/> M. NOT APPLICABLE</p>
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III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	NA		
OLW	OILY WASTE	NA		
SOL	SOLVENTS	NA		
PSD	PESTICIDES	NA		
OCC	OTHER ORGANIC CHEMICALS	NA		
IOC	INORGANIC CHEMICALS	NA		
ACD	ACIDS			
BAS	BASES	NA		
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

[illegible]

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	NA		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

DER Files
Michael Sabia
Wayne Lynn - DER employee

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	1823

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 60,000+
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: unknown
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

none suspected

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

none suspected

01 ☐ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

none suspected

01 ☐ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: 4
(Acres)
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: unknown
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

none suspected

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

none suspected

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**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS**

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	1823

II. HAZARDOUS CONDITIONS AND INCIDENTS *(Continued)*

01 <input type="checkbox"/> J. DAMAGE TO FLORA	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
04 NARRATIVE DESCRIPTION			

none suspected

01 <input type="checkbox"/> K. DAMAGE TO FAUNA	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
04 NARRATIVE DESCRIPTION <i>(Include name(s) of species)</i>			

none suspected

01 <input type="checkbox"/> L. CONTAMINATION OF FOOD CHAIN	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
04 NARRATIVE DESCRIPTION			

none suspected

01 <input type="checkbox"/> M. UNSTABLE CONTAINMENT OF WASTES <i>(Spills/runoff/standing liquids/leaking drums)</i>	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION			

none suspected

01 <input type="checkbox"/> N. DAMAGE TO OFFSITE PROPERTY	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
04 NARRATIVE DESCRIPTION			

none suspected

01 <input type="checkbox"/> O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
04 NARRATIVE DESCRIPTION			

none

01 <input type="checkbox"/> P. ILLEGAL/UNAUTHORIZED DUMPING	02 <input type="checkbox"/> OBSERVED (DATE: _____)	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
04 NARRATIVE DESCRIPTION			

none

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

none known

III. TOTAL POPULATION POTENTIALLY AFFECTED: 60,000 area pop.

IV. COMMENTS

see attached narrative

V. SOURCES OF INFORMATION *(Cite specific references, e. g., state files, sample analysis reports)*

DER files

Mike Sabia

onsite inspection

Wayne Lynn - DER employee

FIELD TRIP SUMMARY REPORT

This summary should be prepared in conjunction with the Preliminary Assessment, Form 2070-12.

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EPA Case Number PA-1823

Site Name Domino Salvage Demolition Landfill

Site Description

Site is 4 acres in area and is a fully developed commercial office complex of 5 structures. Site was formerly a limestone quarry. In 1974 6 feet of soil was placed and the site was filled with 125,000 yd³ of classIII demolition waste.

Area of site (acres)

four

Hazardous portion, if not entire site

none

Description of processes/operations which took place at the site

Landfill disposal operation including daily, intermediate and final cover.
Disposal of demolition waste only.
No precessing onsite.

Waste handling/disposal practices

Waste was dumped directly into the working face area by truck, compacted by heavy equipment, and covered with soil.

Site topography and runoff drainage pathways

Runoff is to an unnamed tributary of the Schuylkill River. Drainage is to the North.

Surface or subsurface drainage areas (leachate) noted?

no

Odors/stains noted?

no

Stressed vegetation noted?

no

Location and description of streams or receiving waters adjacent to site. Include flow direction and observations. Note location on attached map.

Storm water drainage to an unnamed tributary of Schuylkill River. Flow is to the Southwest.

Monitoring wells on site or in vicinity. Note location on attached map.

- no onsite monitoring wells

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Population within ¼ mile of site:

- ☐ 0-10
☐ 10-100
☐ greater than 100

Population within 1 mile of site:

- ☐ 0-10
☐ 10-100
☐ 100-1000
☒ greater than 1000

Surrounding land use (woodlot, agricultural, recreation, industrial, etc.)

NORTH

Residential/commercial

EAST

Residential

SOUTH Residential

WEST

Residential / commercial

Municipal water supply within 3-mile radius (note use of surface water and/or wells)
 yes - 3 wells owned by Philadelphia Suburban water Co.

Reference:

Domestic wells. Approximate number within ¼ mile: 0
 List nearest wells below and show locations on attached map.

Owner/Resident	Address	Phone

Groundwater flow direction, if known

unknown

Description of odor/taste problems

unknown

State inspection activity (including permits held)

Demolition waste Disposal Permit # 100986

State/Federal/Private remedial activities

none

Additional comments--Further description of site

See attached Narrative

SITE CONTACTS

Name and Title	Affiliation	Phone
Michael G. Sabia	former operator	215-275-1580
Wayne Lynn	DER Manager	215-270-1948

INSPECTION INFORMATION

Name and title of inspector(s) Gary F. Shaffer Project Officer

Agency Div of Emergency & Remedial Response Phone number 717-621-3118

Date 07-16-87 Time on site 2.5 hrs

Weather conditions:
Hot, Sunny, calm wind

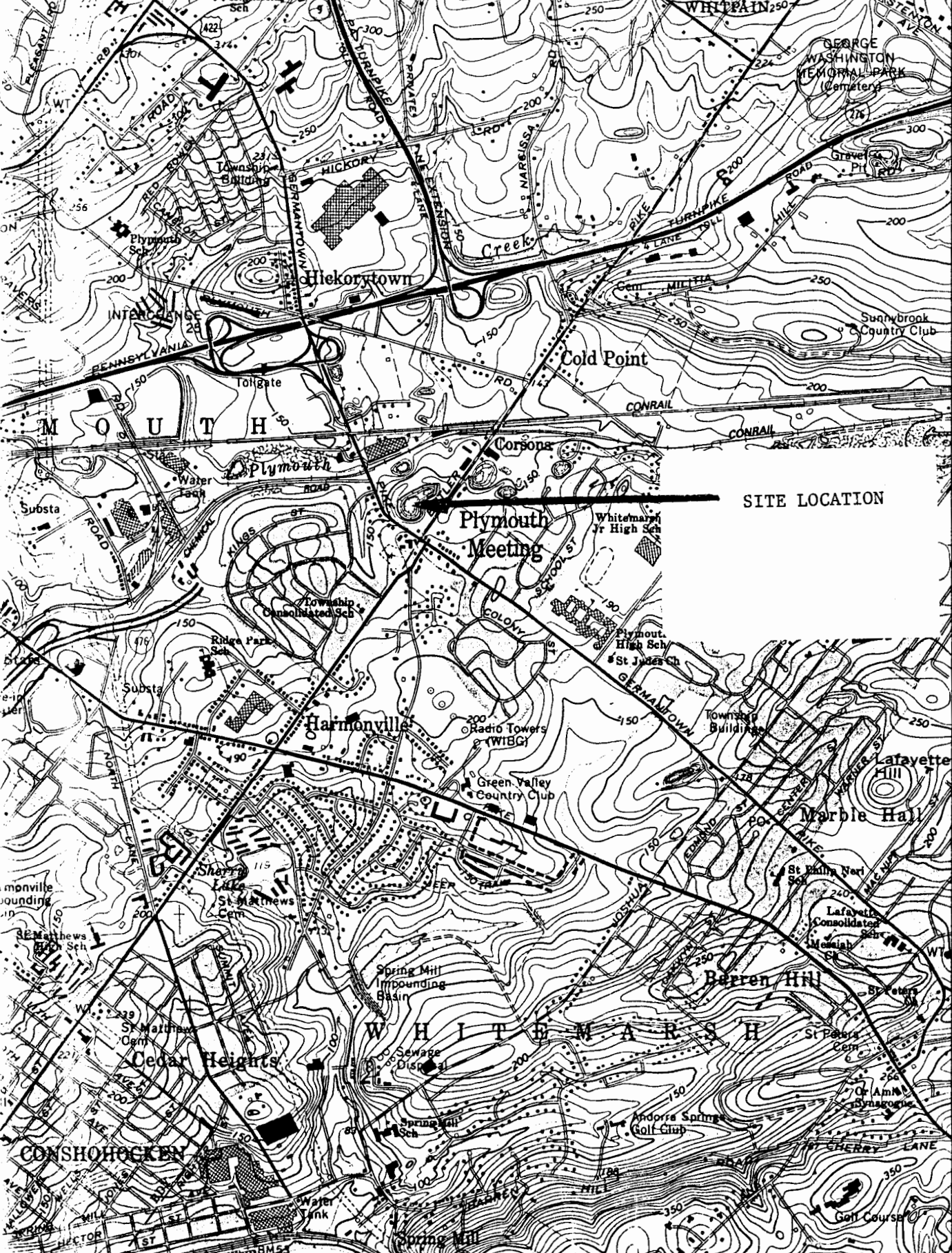
ATTACHMENTS

- o Topographic map identifying site location. Include name of quadrangle map.
- o Site sketch map showing location of monitoring wells, domestic wells, municipal water supplies, and areas of concern (lagoons, leachate seeps, drums, etc.)
- o Any available sampling results or state monitoring data with map showing sample locations.

NORRISTOWN QUADRANGLE
PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)

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5964 11 NW
(AMBLER)

POTTSTOWN 22 MI. IN SQUARE 1.9 MI. 17°30" 477 478 75°15' 40°07'30"



441
440
290 000 FEET
438
436
3.7 MI. TO INTERCHANGE 26
5.8 MI. TO U.S. 1



